

Certificate of Analysis



Sample Name: Kratom Leaf Powder
Client: Super Organics
Sample Code: DTS-250804-036
Matrix Name: Botanical Powder - Plant
Type / Result: N/A - Pass



Received Date: Tue, Aug 5, 2025
Published Date: Fri, Aug 8, 2025
Batch/Lot Code: 0003378
Batch Size: N/A
Sample Size: 1U

RESULT SUMMARY

Mitragynine 1.1502 %

Total Major Alkaloids 1.9219 %

Total Minor Alkaloids 0.00401 %

ALKU **Kratom Alkaloids**
High Level

ALKL **Kratom Alkaloids**
Low Level

COLIF **Total Coliforms**
Plate

Approvals

RESULTS REVIEWED BY:

Leslie Varela
Laboratory Director

Cambium Analytica
Friday, Aug 8, 2025

RESULTS CERTIFIED BY:

Douglas Smith
VP - Scientific
Operations

Cambium Analytica
Friday, Aug 8, 2025

This report may not be reproduced except in full without approval from Cambium Analytica. The results herein relate only to the sample & batch identified in this report.

Address: 1230 Woodmere Ave, Traverse City, MI 49686

Phone: 231.252.3669

Accreditation: ISO/IEC 17025:2017 – #108157



ALKU

Kratom Alkaloids - High LevelLAB-TM-052 - Determination of Kratom Alkaloid Content by UPLC-DAD
ALKU-DTS-250804-036-01 - FRI, AUG 8, 2025

Analyte	Value	Value (mg/g)	Action Limit	LOD	LOQ	Status
Mitragynine	1.1502 %	11.5024 mg/g	N/A	0.3 ug/g	0.5 ug/g	N/A
Speciociliatine	0.3598 %	3.5975 mg/g	N/A	0.3 ug/g	0.5 ug/g	N/A
Paynantheine	0.2634 %	2.6338 mg/g	N/A	0.3 ug/g	0.5 ug/g	N/A
Speciogynine	0.1486 %	1.4858 mg/g	N/A	0.3 ug/g	0.5 ug/g	N/A
Total Major Alkaloids	1.9219 %	19.2195 mg/g	N/A	N/A	N/A	N/A

ALKL

Kratom Alkaloids - Low LevelLAB-TM-047 - Determination of Kratom Alkaloid Content by LC-TQ
ALKL-DTS-250804-036-01 - FRI, AUG 8, 2025

Analyte	Value	Value (mg/g)	Action Limit	LOD	LOQ	Status
7-Hydroxymitragynine	0.00399 %	0.03988 mg/g	N/A	0.002 ug/g	0.011 ug/g	N/A
Mitraphylline	0.00003 %	0.00025 mg/g	N/A	0.004 ug/g	0.019 ug/g	N/A
Total Minor Alkaloids	0.00401 %	0.04014 mg/g	N/A	0.006 ug/g	0.03 ug/g	N/A

COLIF

Total Coliforms - Plate - 25g - Full RangeLAB-TM-026 - Enumeration of Total Coliforms on 3M CC Plates
COLIF-DTS-250804-036-01 - THU, AUG 7, 2025

Analyte	Value	Action Limit	LOD	LOQ	Status
Total Coliforms	ND	10000 CFU/g	10 CFU/g	10 CFU/g	PASS



Certificate of Analysis



Sample Name: Kratom Leaf Powder (Capsules)
Client: Super Organics
Sample Code: DTS-250915-046
Matrix Name: Botanical Powder - Plant
Type / Result: N/A - Pass



Received Date: Tue, Sep 16, 2025
Published Date: Fri, Sep 19, 2025
Batch/Lot Code: 0003378
Batch Size: N/A
Sample Size: 1U

SAL Salmonella spp. qPCR	ECOLI Total Coliforms & E. coli Plate	TAMC Total Aerobic Bacteria Plate	HVMET Heavy Metals Big 4	TYMFD Total Yeast & Mold Plate
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Approvals

RESULTS REVIEWED BY:


Leslie Varela
Laboratory Director
Cambium Analytica
Friday, Sep 19, 2025

RESULTS CERTIFIED BY:


Douglas Smith
VP - Scientific Operations
Cambium Analytica
Friday, Sep 19, 2025

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Lab Information

Address: 1230 Woodmere Ave, Traverse City, MI 49686 **Phone:** 231.252.3669 **Accreditation:** ISO/IEC 17025:2017 – #108157



SAL

Salmonella spp. - qPCR - 25gLAB-TM-063 - Detection of Presumptive Salmonella spp. in Foods and Dietary Supplements
SAL-DTS-250915-046-01 - THU, SEP 18, 2025

Analyte	Value	Action Limit	LOD	LOQ	Status
Salmonella spp.	ND	Detection	N/A	N/A	PASS

ECOLI

Total Coliforms & E. coli - Plate - 25g - Full RangeLAB-TM-059 - Enumeration of Escherichia coli and Total Coliform in Foods and Dietary Supplements
ECOLI-DTS-250915-046-01 - THU, SEP 18, 2025

Analyte	Value	Action Limit	LOD	LOQ	Status
E. coli	ND	Detection	10 CFU/g	10 CFU/g	PASS
Total Coliforms	ND	10000 CFU/g	10 CFU/g	10 CFU/g	PASS

TAMC

Total Aerobic Bacteria - Plate - 25g - Full RangeLAB-TM-060 - Enumeration of Total Aerobic Count in Foods and Dietary Supplements
TAMC-DTS-250915-046-01 - THU, SEP 18, 2025

Analyte	Value	Action Limit	LOD	LOQ	Status
Total Aerobic Count	1000 CFU/g	10000000 CFU/g	1000 CFU/g	1000 CFU/g	PASS

HVMET

Heavy Metals - Big 4LAB-TM-044 - Determination of Heavy Metals by ICP-MS
HVMET-DTS-250915-046-01 - THU, SEP 18, 2025

Analyte	Value	Value (mg/g)	Action Limit	LOD	LOQ	Status
Arsenic	0.179 ug/g	0.000 mg/g	1.0 ug/g	0.509 ug/kg	2.062 ug/kg	PASS
Cadmium	0.019 ug/g	0.000 mg/g	0.4 ug/g	0.256 ug/kg	0.509 ug/kg	PASS
Lead	0.486 ug/g	0.000 mg/g	1.25 ug/g	0.255 ug/kg	0.515 ug/kg	PASS
Mercury	0.016 ug/g	0.000 mg/g	0.2 ug/g	0.025 ug/kg	0.057 ug/kg	PASS

TYMFD

Total Yeast & Mold - Plate - 25g - Full RangeLAB-TM-061 - Enumeration of Yeast and Mold in Foods and Dietary Supplements
TYMFD-DTS-250915-046-01 - FRI, SEP 19, 2025

Analyte	Value	Action Limit	LOD	LOQ	Status
Total Mold	ND	N/A	10 CFU/g	10 CFU/g	N/A
Total Yeast	ND	N/A	10 CFU/g	10 CFU/g	N/A
Total Yeast and Mold*	ND	100000 CFU/g	10 CFU/g	10 CFU/g	PASS

*Total Yeast and Mold is calculated as the sum of Total Yeast and Total Mold

